

tained by making oblique-incidence observations on the $r-z$ slice in Table 1 on page 28.

Although some differences between the corresponding values are apparent, it is interesting to note that these do not have a significant influence upon the separate stress components which are plotted in Fig. 6.

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Simple Deflection Transducer

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We have used a simple deflection beam made from materials readily available quite a number of times when space or environment would not allow the use of standard devices to measure single-plane movement.

The materials that are required are a piece of spring

steel, bent as shown, and a full-bridge configuration wired for bending.

Calibrate by inserting the known shim stock or, if space allows, use an inside micrometer and read on any type of recording device.

